



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)
) Before the Examiner
 Hai H. Trieu)
)
 Serial No. 10/630,092)
) Group Art Unit 1712
 Filed July 30, 2003)
)
 BIOACTIVE NANOCOMPOSITES)
 AND METHODS FOR THEIR USE) November 7, 2005

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 PO Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure in accordance with 37 C.F.R. §1.56, Applicant wishes to bring to the attention of the Examiner the items of information listed on the enclosed Information Disclosure Citation Form. This information has not been previously submitted in this application, and has not been heretofore cited previously by the Examiner. Copies of all foreign patent documents and/or non-patent literature are enclosed in accordance with 37 CFR 1.98(a). Copies of cited U.S. patents and patent applications are not enclosed pursuant to 37 CFR 1.491(b).

11/10/2005 CNGUYEN 00000066 10630092

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Information Disclosure Statement
 Hai H. Trieu
 Attorney Dkt. 4002-3367

Page 1 of 2

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Timothy N. Thomas

Name of Registered Representative

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The filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in §1.56(b).

This Statement is being submitted after the mailing of a First Office Action on the merits but before the mailing of a Final Office Action or Notice of Allowance, therefore the required fee of \$180.00 under 37 CFR 1.97(c) is enclosed for consideration of the same. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully submitted,

By Timothy N. Thomas
Timothy N. Thomas, Reg. No. 35,714
WOODARD EMHARDT MORIARTY
MCNETT & HENRY
3700 Bank One Center Tower
111 Monument Circle
Indianapolis, IN 46204-5137
(317) 634-3456 telephone
(317) 637-7561 facsimile

Applicant's Substitute for 1449A⁷

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Street

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of

5

Application Number

10/630.092

Filing Date

July 30, 2003

First Named Inventor

Hai H. Trieu

Group Art Unit

1712

Examiner Name

Unknown

Attorney Docket Number

4002-3367/PC477.02

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
		4,131,597		Bluethgen et al.	12/26/78	
		4,192,021		Deibig et al.	03/11/80	
		4,437,836		Schmitz-Josten et al.	03/20/84	
		4,516,276		Mittelmeier et al.	05/14/85	
		4,623,553		Ries et al.	11/18/86	
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		4,776,890		Chu	10/25/88	
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		5,002,582		Guire et al.	03/26/91	
		5,015,247		Michelson	05/14/91	
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		5,273,964		Lemons	12/28/93	
		5,320,844		Liu	06/14/94	

FOREIGN PATENT DOCUMENTS

[illegible]

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. ⁷ In-house version of PTO/SB/08A (10-96).

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Applicant's Substitute for 1449A ⁷ INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/630,092
				Filing Date	July 30, 2003
				First Named Inventor	Hai H. Trieu
				Group Art Unit	1712
				Examiner Name	Unknown
Sheet	2	of	5	Attorney Docket Number	4002-3367/PC477.02

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,338,772		Bauer et al.	08/16/94	
		5,364,399		Lowery et al.	11/15/94	
		5,380,298		Zabetakis	01/10/95	
		5,468,544		Marcolongo et al.	11/21/95	
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		5,776,193		Kwan et al.	07/07/98	
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		Office ³	Number	Kind Code ⁵ (if known)				

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	3	of	5
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Complete if Known

Application Number	10/630,092
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Filing Date	July 30, 2003
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First Named Inventor	Trieu
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Group Art Unit	1712
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Examiner Name	Unknown
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Attorney Docket Number	4002-3367/PC477.02
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		Country Code ² -Number ⁴ -Kind Code ⁶ (if known)				
		WO 00/57932	10/05/2000	Brigham & Womens Hospital		
		WO 01/01930	01/11/2001	Henkel, KGAA		
		WO 01/54746	08/02/2001	Advanced Research and Technology Inst., Inc.		
		WO 02/22117	03/21/2002	Zakrytoe		

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Page 4 of 5		Atty. Docket No. 4002-3367/PC477.02	Serial No. 10/630,092
		Applicant Hai H. Trieu	
		Filing Date July 30, 2003	Group 1712
Examiner Initial	PUBLICATION		
	Allograft Catalog, University of Florida Tissue Bank, Inc., LIT.UF.CT96 Rev. A/98		
	Tangent Cortical Wedge Mechanical Testing, Regeneration Technologies, Inc., ©1999 RTI		
	Flahiff, C.M. et al., "Analysis of a biodegradable composite for bone healing", <u>Journal of Biomedical Materials Research</u> , 32:419-424 (1996)		
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	Furukawa, T. et al., "Histomorphometric study on high-strength hydroxyapatite/poly(L-lactide) composite rods for internal fixation of bone fractures", <u>Journal of Biomedical Materials Research</u> , 50:410-419 (2000)		
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	Bonfield, W. et al., "Hydroxyapatite reinforced polyethylene - a mechanically compatible implant material for bone replacement", <u>Biomaterials</u> , 2:185-186 (1981)		
	Hamadouche, M. et al., "The <i>In vivo</i> Bioactivity of Sol-Gel Bioactive Glasses Coated Alumina Implants", 46 th Annual Meeting, Orthopaedic Research Society, 0174 (2000)		
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Page 5 of 5		Atty. Docket No. 4002-3367/PC477.02	Serial No. 10/630,092
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Examiner Initial		PUBLICATION	
		Orefice, R.L. et al., "Processing and Characterization of Bioactive Polysulfone-Bioglass® Composites", <u>Bioceramics</u> , 8:409-414, Eds. Wilson, J. et al., Florida, USA, Pergamon (1995)	
		Liu, Qing et al.: "Nano-apatite/polymer composites: mechanical and physicochemical characteristics". <u>BIOMATERIALS</u> , 1997 Elsevier Science Limited, GB. ISSN: 0142-9612	
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